

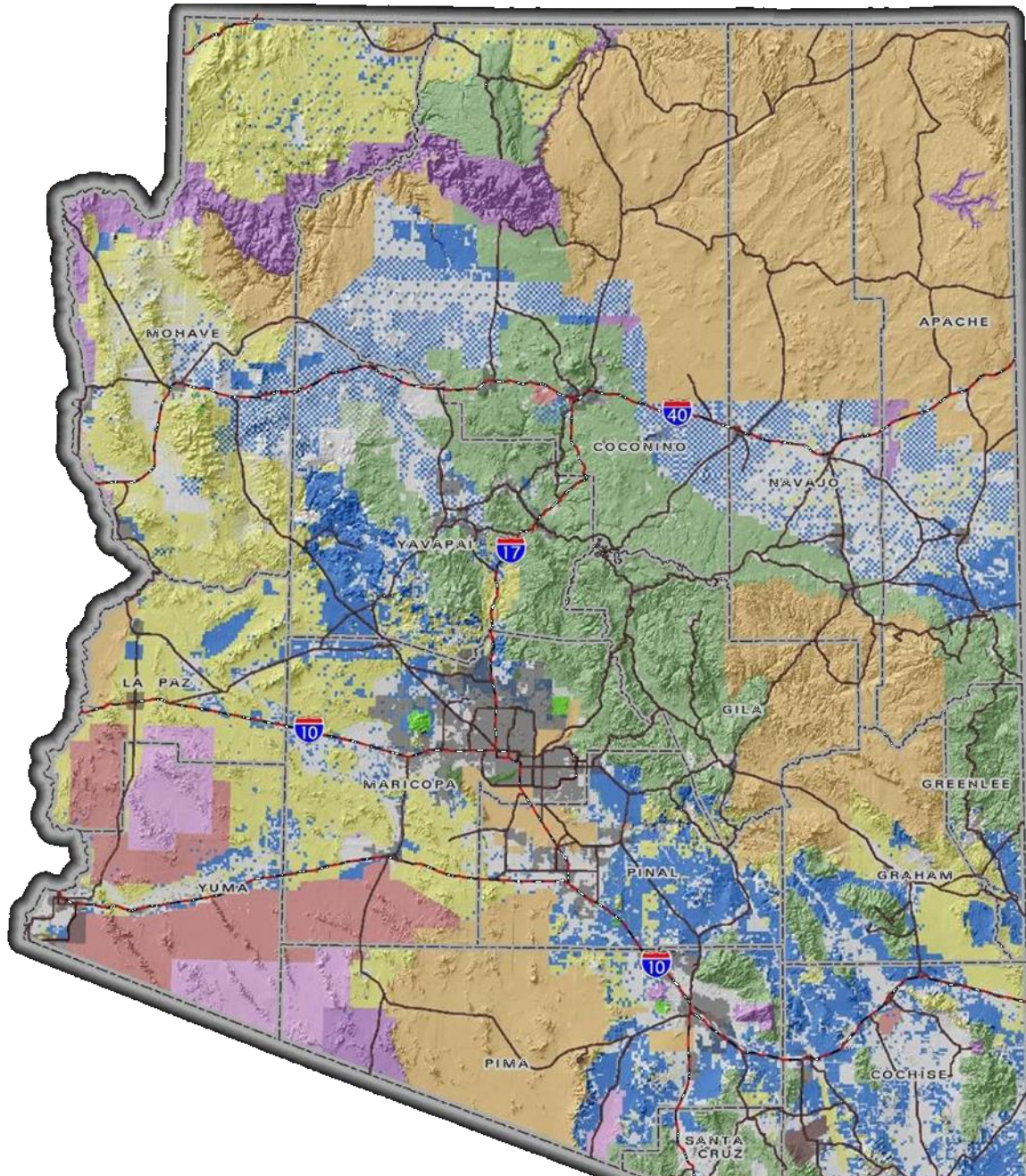


Biomass Harvesting on State Trust Land

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ASLD Natural Resources Division Director

December 5, 2017



State of Arizona Land Ownership

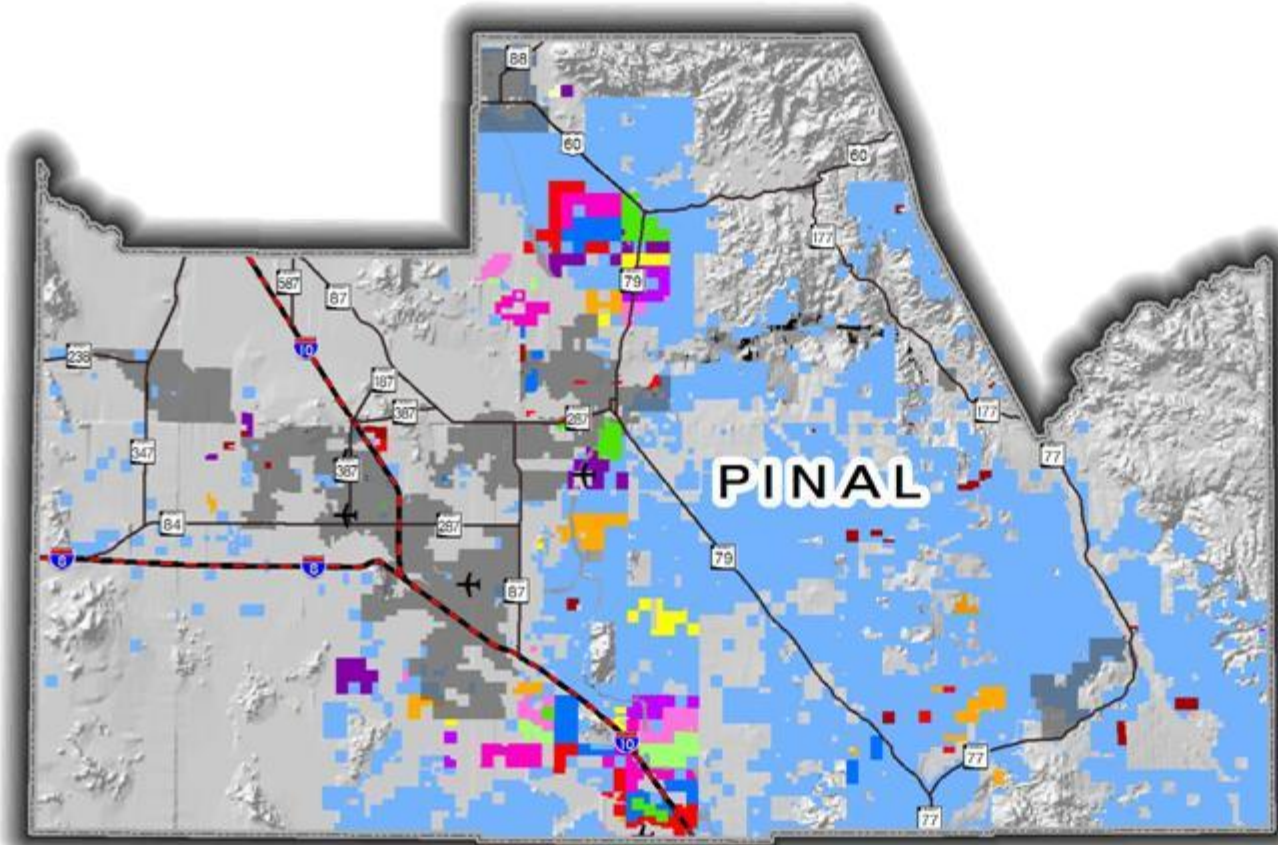
Historical Overview



- Territory of Arizona established by an act of Congress on February 24, 1863
 - This act reserved sections 16 and 36 in each township for the benefit of the common schools
- The Enabling Act of 1910 allowed the Territory of Arizona to prepare for statehood
 - This act assigned the additional sections of 2 and 32 of each township to be held in trust for the common schools
 - Granted 2,350,000 acres for other beneficiaries
- The Arizona State Land Code established the Land Department in 1915 to manage Trust lands

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Each Acre has a Beneficiary



STATE TRUST LANDS
IN ARIZONA
BY BENEFICIARY - Pinal County

-  School of Deaf / Blind
-  Ag & Mech College
-  Ariz State Hospital
-  Miner's Hospital
-  Common School
-  Normal School
-  Military Institutes
-  Legis Exec Jud Bld
-  University
-  Univ of Arizona
-  Penitentiary
-  School of Mines
-  St Chhrtbl Penal Reform

Enabling Act & Constitutional Restrictions



- All lands are to be appraised at fair market value and cannot be disposed for less than that amount
- After advertising, the sale or long-term lease is awarded through public auction to the highest and best bidder
- Land sales or leases in excess of ten years must be advertised for ten weeks
- Trust lands cannot be mortgaged or encumbered in any way
- The Trust must be compensated for all natural products removed from Trust Land

GRASSLAND RESTORATION AND FOREST MANAGEMENT



- Purposes: *REVENUE PRODUCTION*, fuels reduction, watershed health, wildlife and habitat
- Developing a Trust Land-specific programmatic wood product harvesting program
 - Last wood sale in 2007
 - Est. 15k-20k acres of product available for harvest annually from STL
- Challenges: Ensuring the method is consistent with constitutional mandates, lack of markets, cultural resources
- Working with Eastern Arizona Counties to standardize valuation methods for product removed



Pilot Project #1: Snowflake

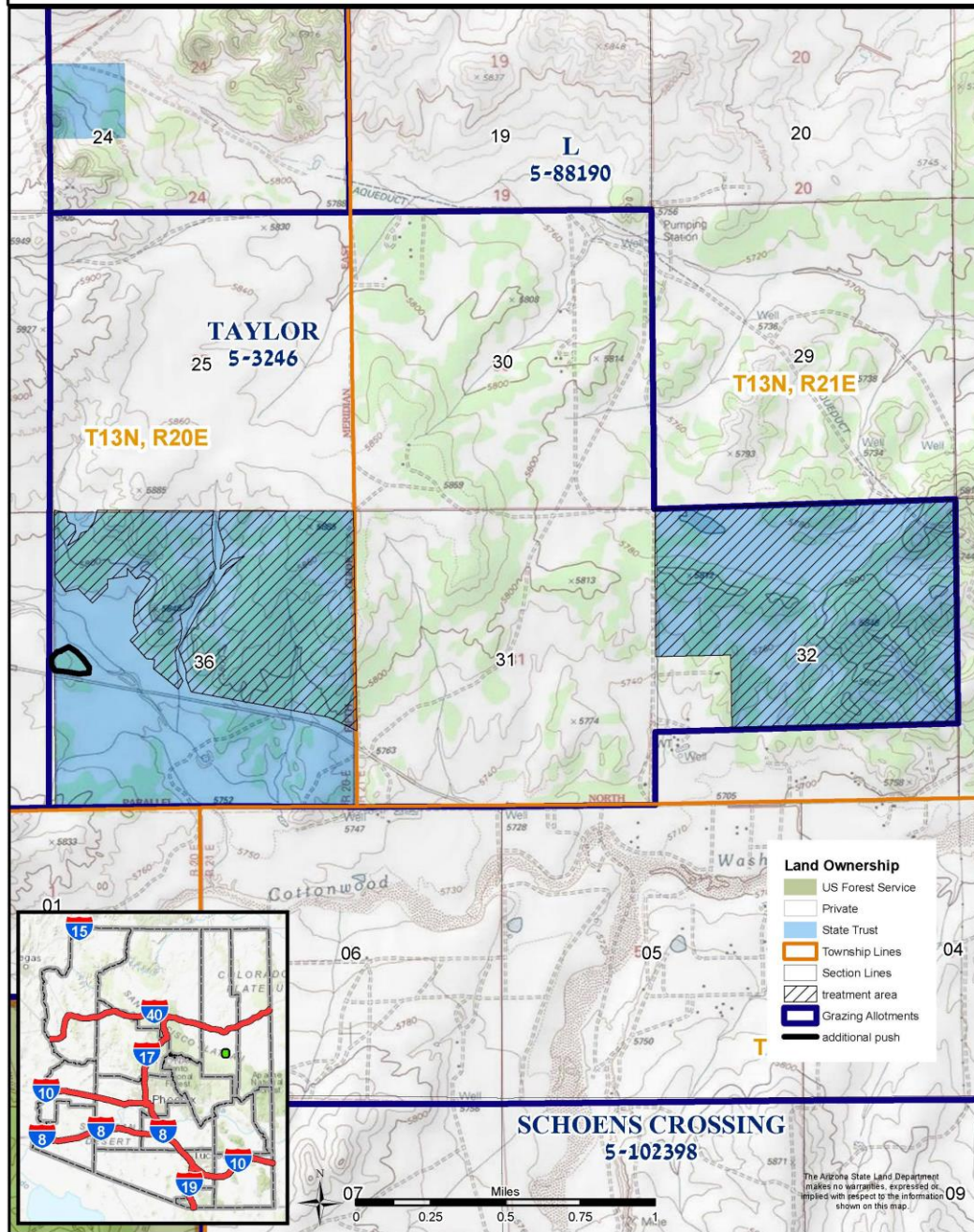


- 762 Acres in Navajo County
- Trees and biomass already pushed by grazing lessee under NRCS-EQIP funding – grassland restoration and water filtration benefits
- Rather than burn piles (air quality concerns), why not sell the wood product?
- Incidental Use Permit
- Chip on-site; dirty chips
- Cultural resources surveys already completed; exempt practices
- \$0.16/ton = \$1,524



IUP TRI STAR ON 05-3246-00-007 LAND TREATMENT

Date: 10/6/2017





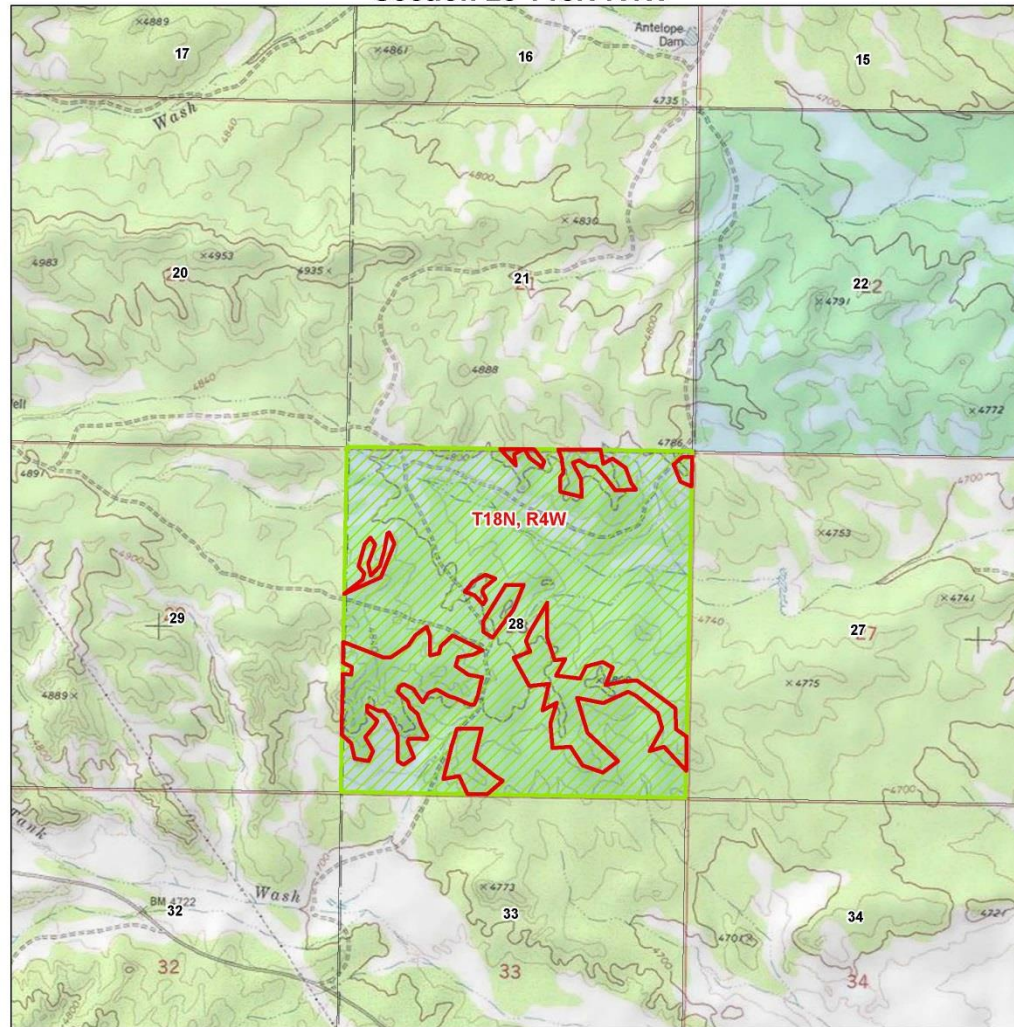
Pilot Project #2: K4 Ranch



- 40-50 acres, approximately 500 tons of biomass
- Biomass that was previously cut and stacked in logging decks by the Arizona Department of Forestry and Fire Management as part of a Ponsse Machine Demonstration Project; Incidental Use Permit
- Biomass will be compressed into bricks and sold as firewood (similar to Duraflame)
- Area already arch cleared; also use of exempt practices
- Sale for \$20/ton, the same rate charged by Forest Service for commercial fuelwood harvesting
 - Trucks will be issued load tickets, get weighed



05-3376 Land Treatment Application Section 28 T18N R4W

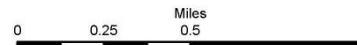


Legend

- K4 Ranch leave areas
- K4 Ranch treatment areas

Land Ownership

- Private
- State Trust



The Arizona State Land Department makes no warranties, implied or expressed, with respect to the information shown on this map.

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Questions?



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